

Appl. No. 09/914,402  
Response dated January 31, 2005

IN THE CLAIMS:

1. (Original) A method of purifying, comprising the following steps:
  - a) providing a quantity of degassed water;
  - b) heating the degassed water to at least 260 degrees F.;
  - c) injecting the heated degassed water into a vacuum chamber to superheat the water to at least 350 degrees F.; and
  - d) allowing the super heated degassed water to vaporize in an explosive fashion, evaporating rapidly and condensing in a counter current chiller.
2. (Original) The method of in claim 1, further comprising the step of draining the condensed water into a holding tank.
3. (Previously Presented) The method in claim 1, further comprising the step of pumping the condensed water out through a mineral column and a carbon column to replenish the trace minerals and remove any residual off taste.
4. (Previously Presented) The method in claim 1, further comprising the step of attaching an incoming water line to a counter current heat exchanger to preheat the incoming water and cool the high side gas in a refrigeration unit.
5. (Original) The method in claim 4, wherein the heat exchanger further comprises a first counter current conduit contained within a gas conduit.
6. (Currently Amended) The method in claim 4, wherein the water incoming into the counter current exchanger is the same temperature as the ~~existing as~~ exiting gas and the exiting water is the same temperature as the incoming gas.
7. (Previously Presented) The method in claim 1, further comprising the step of providing an electronically controlled valve for controlling degassed water.
8. (Currently Amended) The method in claim 1, wherein the degassed water enters a band of centrifugal, vacuum chambers through a manifold and electronic valving system, closing 2 electronic valves and wherein the centrifugal force forms a thin layer of water and the vacuum as well as the centrifugal force brings about a removal of dissolved gases from the feed water.

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Claims 9-21 (Canceled)